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7. Communication system according to one of the claims 3 through 5, characterized in that the infrared radiation has a wavelength from 1200 nm through 1400 nm.

9. Communication system according to one of the claims 1 through 8, characterized by a control means (5) for controlling the data communication between the cordless communication devices (1).

11. Communication system according to claim 10, characterized in that the connection to the external communication network is produced with coaxial cable or optical fiber cable.

13. Communication system according to one of the claims 1 through 12, characterized in that the cordless communication devices (1) are fashioned for data transmission via a 230 volt or a 110 volt power supply network.

15. Communication system according to one of the claims 1 through 14, characterized in that the cordless communication devices (1) can be screwed into an incandescent bulb socket.

~~16. Communication system according to claim 15, characterized in
that a cordless communication device comprises its own incandescent bulb socket.~~

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